INTERNATIONAL SEARCH REPORT

International application No.
PCT/US04/10220

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : C10G 35/095; C07C 5/22, 5/23, 5/25, 5/27, 5/29, 5/31 US CL : 208/135, 138; 585/666, 671, 739, 481 According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 208/135, 138; 585/666, 671, 739, 481				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST search terms: hydrocarbon, isomerization, ferrierite, water, aqueous, catalyst, treat, activate, ZSM-35, submerge				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.	
X A	US 4,374,296 A (HAAG et al) 15 February 1983 (15.02.1983), column 2, line 22 through column 4, line 2; column 6, lines 16-20, 31-33, and 56-60; column 7, line 60 through column 8, line 23; column 9, lines 13-20; column 10, line 36 through column 11, line 11; and claims 1-6, 11, 13, and 14.		1-7, 13-15, 17-22, 25 	
Α	US 4,326,994 A (HAAG et al) 27 April 1982 (27.04.1982).		1-27	
A.			1-27	
Α	US 4,418,235 A (HAAG et al) 29 November 1983 (29.11.1983).		1-27	
Further	r documents are listed in the continuation of Box C.	See patent family annex.		
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention		
"E" earlier a	"E" earlier application or patent published on or after the international filing date considere when the		cument of particular relevance; the claimed invention cannot be unsidered novel or cannot be considered to involve an inventive step then the document is taken alone	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art		
"O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent family		
Date of the actual completion of the international search		Date of mailing of the international search report 2.7 AUG 2004.		
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